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Applicant(s): Xiang LI et al.

Docket No.

133697-0022

Application No.

10/567,413 ✓

Filing Date

February 3, 2006

Examiner

Unknown

Customer No.

35684

Group Art Unit

Unknown

Invention: **THE PREPARATION METHOD OF OUTSIDE-IN POLY VINYLIDENE FLUORIDE HOLLOW FIBER MEMBRANE SPINNED UTILIZING A IMMERSION-COAGULATION METHOD AND THE PRODUCT THEREOF**



I hereby certify that this IDS (w/8 Patent and 5 non-patent reference copies and Form PTO-1449 (3 Sheets))
(Identify type of correspondence)

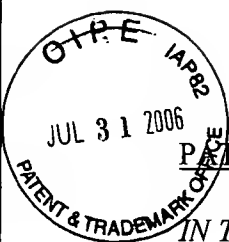
is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on
July 28, 2006
(Date)

Michael S. Gzybowski

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group
Art Unit: Unknown

Attorney
Docket No.: 133697-0022

Applicant: Xiang LI et al.

Invention: THE PREPARATION METHOD OF
OUTSIDE-IN POLY VINYLIDENE
FLUORIDE HOLLOW FIBER
MEMBRANE SPINNED
UTILIZING A IMMERSION-
COAGULATION METHOD AND
THE PRODUCT THEREOF

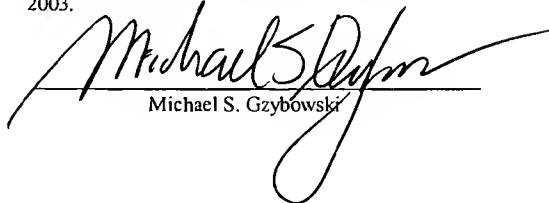
Serial No: 10/567,413

Filed: February 3, 2006

Examiner: Unknown

Certificate Of Mailing Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 13, 2003.


Michael S. Gzybowski

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

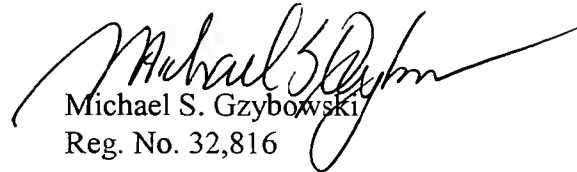
Sir:

Applicants wish to bring to the attention of the Examiner the documents identified on the attached form PTO-1449. Applicants respectfully request that these documents be made of record in the present application.

This Information Disclosure Statement is being filed after three months of the U.S. filing date, but before the mailing date of the first Office Action on the merits. No certification or fee is required.

Please charge the any fees due in connection with the filing of this paper to Deposit
Account No. 12-2136 and please credit any excess fees to such deposit account.

Respectfully submitted,

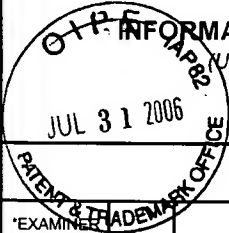


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154415.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AF/

 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 133697-0022		APPLICATION NO. 10/567,413		
				APPLICANT(S) Xiang LI et al.				
				FILING DATE February 3, 2006		GROUP ART UNIT Unknown		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4,399,035	08-16-1983	Nohmi et al.				
		6,299,773	10-09-2001	Takamura et al.				
		6,596,167	07-22-2003	Ji et al.				
		5,698,101	12-16-1997	Kopp et al.				
		5,514,461	05-07-1996	Meguro et al.				
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		2003/0094409	05-22-2003	Minegishi et al.				
		2004/0191894	09-30-2004	Muller et al.				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		Jian et al., "Asymmetric PVDF Hollow-Fiber Membranes for Organic/Water Pervaporation Separations," Journal of Membrane Science Volume 135, Issue 1 12 November 1997, Pages 41-53						
		D. Wang et al., "Porous PVDF Asymmetric Hollow Fiber Membranes Prepared with the use of Small Molecular Additives," Journal of Membrane Science Volume 178, Issues 1-2 15 September 2000, Pages 13-23						
EXAMINER /Ana Fortuna/ (10/31/2008)				DATE CONSIDERED 10/31/2008				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 133697-0022	APPLICATION NO. 10/567,413
	Xiang LI et al.	
	FILING February 3, 2006	GROUP ART Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,489,406	02-06-1996	Beck et al.			

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		D. Wang et al., "Preparation and Characterization of Polyvinylidene Fluoride (PVDF) Hollow Fiber Membranes," Journal of Membrane Science Volume 163, Issue 2 , 1 November 1999, Pages 211-220
		D. Lin et al., "Microporous PVDF Membrane Formation by Immersion Precipitation from Water/TEP/PVDF System," Desalination 145 (2002) 25-29

EXAMINER /Ana Fortuna/ (10/31/2008)	DATE CONSIDERED 10/31/2008
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			M. Khayet et al., "Preparation and Characterization of Polyvinylidene Fluoride Hollow Fiber Membranes for Ultrafiltration," Polymer Volume 43, Issue 14 June 2002, Pages 3879-3890

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